Biol Cell (1991) 71, 325–326
© Elsevier, Paris

AUTHOR INDEX

A

Adessi GL — *See* Mahfoudi A *et al*, 255
Adolphe M — *See* Mignotte F *et al*, 67
Adoutte A, Delgado P, Fleury A, Levilliers N, Lainé MC, Marty MC, Boisvieux-Ulrich E, Sandoz D, Microtubule diversity in ciliated cells: evidence for its generation by post-translational modification in the axonemes of *Paramecium* and quail oviduct cells, 227
Angelier N — *See* Moreau N *et al*, 97 — *See* Bonnanfant-Jais ML *et al*, 105

B

Baccetti B, Burrini AG, Falchetti E, Spermatozoa and relationships in Palaeognath birds, 209
Barakat-Walter I — *See* Duc C *et al*, 73
Barry P, Prensier G, Grenet E, Immunogold labelling of arabinoxylans in the plant cell walls of normal and bm3 mutant maize, 307
Baulieu ÉÉ, Neurosteroids: a new function in the brain, 3
Bautista-Harris G, Klotz C, Bordes N, Sandoz D, An helicoidal structure surrounding the cilium axoneme: visualization by the monoclonal antibody CC-248, 191
Beisson J — *See* Garreau de Loubresse N *et al*, 217
Benabdallah K, Boivin P, Dhermy D, The synthesis and accumulation of membrane protein 4.1 in Friend erythroleukemia cells, 273
Benel L — *See* Mignotte F *et al*, 67
Berger B — *See* Strous GJ *et al*, 25
Berger EG — *See* Strous GJ *et al*, 25
Betton JM — *See* Yon JM, 17
Boisvieux-Ulrich E — *See* Adoutte A *et al*, 227
Boivin P — *See* Benabdallah K *et al*, 273
Bonnanfant-Jais ML, Penrad-Mobayed M, Angelier N, Ultrastructural similarity in landmark loops of amphibian lampbrush chromosomes, 105
Bordes N — *See* Bautista-Harris G *et al*, 191
Borojevic R — *See* Geuskens M *et al*, 89
Bosshart H — *See* Strous GJ *et al*, 25
Botella LM, Edström JE, The Balbiani ring 6 induction in *Chironomus*, 11
Bré MH, Pepperkok R, Kreis TE, Karsenti E, Cellular interactions and tubulin detyrosination in fibroblastic and epithelial cells, 149
Burrini AG — *See* Baccetti B *et al*, 209

C

Cachon J — *See* Cachon M *et al*, 175
Cachon M, Cachon J, Cosson J, Greuet C, Huitorel P, Dinoflagellate flagella adopt various conformations in response to different needs, 175
Cervello M — *See* Matranga V *et al*, 289
Champagne AM — *See* Mignotte F *et al*, 67
Chrétien D, Wade RH, New data on the microtubule surface lattice, 161
Ciolek E, Dauça M, The effect of clofibrate on amphibian hepatic peroxisomes, 313
Clermont Y — *See* Thorne-Tjomsland G *et al*, 33
Cordeau-Losssouarn L, Vayssière JL, Larcher JC, Gros F, Croizat B, Mitochondrial maturation during neuronal differentiation *in vivo* and *in vitro*, 57
Cosson J — *See* Cachon M *et al*, 175
Coumes-Marquet S — *See* Mahfoudi A *et al*, 255
Croizat B — *See* Cordeau-Lossouarn L *et al*, 57
Curgy JJ — *See* Guissi-Kadri S *et al*, 81

D - E - F

Dauça M — *See* Ciolek E, 313
Decrossas B — *See* Segretain D, 321
Delgado P — *See* Adoutte A *et al*, 227
Dhainaut-Courtois N — *See* Guissi-Kadri S *et al*, 81
Dhermy D, The spectrin super-family, 249 — ***, *See* Benabdallah K *et al*, 273
Di Ferro D — *See* Matranga V *et al*, 289
Droz B — *See* Duc C *et al*, 73
Duc C, Barakat-Walter I, Droz B, Substance P and calbindin D-28k-immunoreactivity in primary sensory neurons of chick embryos: differential neuronal birthdates and transient co-localization, 73

Edström JE — *See* Botella LM, 11

Falchetti E — *See* Baccetti B *et al*, 209
Fleury A — *See* Adoutte A *et al*, 227
Froger-Gaillard B — *See* Mignotte F *et al*, 67

G

Garreau de Loubresse N, Klotz C, Vigues B, Rutin J, Beisson J, Ca^{2+}-binding proteins and contractility of the infraciliary lattice in *Paramecium*, 217
Géraud ML, Sala-Rovira M, Herzog M, Soyer-Gobillard MO, Immunocytochemical localization of the DNA-binding protein HCc during the cell cycle of the histone-less dinoflagellate protoctista *Crypthecodinium cohnii B*, 123
Geuskens M, Borojevic R, Van Gansen P, Eosinophil granulocytopoiesis in hepatic periovular granulomas during the chronic phase of experimental murine *Schistosomiasis mansoni*, 89
Geuze HJ — *See* Strous GJ *et al*, 25
Grenet E — *See* Barry P *et al*, 307
Greuet C — *See* Cachon M *et al*, 175
Gros F — *See* Cordeau-Lossouarn L *et al*, 57
Gueride M — *See* Mignotte F *et al*, 67
Guissi-Kadri S, Dhainaut-Courtois N, Porchet M, Curgy JJ, Precursors of neuropeptides in the marine worm *Nereis diversicolor*. *In vitro* translation of a precursor related to human prepro-cholecystokinin and immunolocalization of this precursor in the nervous system, 81

H

Herzog M — *See* Géraud ML *et al*, 123
Huitorel P — *See* Cachon M *et al*, 175

I

Illinger D, Poindron P, Kuhry JG, Membrane fluidity aspects in endocytosis; a study with the fluorescent probe trimethyl-aminodiphenylhexatriene in L929 cells, 293

K

Karsenti E — *See* Bré MH *et al*, 149
Klotz C — *See* Bautista-Harris G *et al*, 191— *See* Lemullois M *et al*, 201 — *See* Garreau de Loubresse N *et al*, 217
Kreis TE — *See* Bré MH *et al*, 149
Kuhry JG — *See* Illinger D *et al*, 293

L

Lainé MC — *See* Adoutte A *et al*, 227
Larcher JC — *See* Cordeau-Lossouarn L *et al*, 57
Lautredou N — *See* Moreau N *et al*, 97
Leforestier A, Livolant F, Cholesteric liquid crystalline DNA; a comparative analysis of cryofixation methods, 115
Lefranc G — *See* Pradal G *et al*, 297
Lemullois M, Klotz C, Sandoz D, Evolutionary conservation of an epitope associated with striated rootlets in different epithelial ciliated cells, 201
Levilliers N — *See* Adoutte A *et al*, 227
Livolant F — *See* Leforestier A, 115

M

Mahfoudi A, Nicollier M, Propper AY, Coumes-Marquet S, Adessi GL, Establishment of endometrial glandular epithelial cell subculture in a serum-free, hormonally defined medium, on a basement membrane matrix, 255
Marano F — *See* Romet S *et al*, 183
Marty MC — *See* Adoutte A *et al*, 227
Matranga V, Di Ferro D, Cervello M, Zito F, Nakano E, Adhesion of sea-urchin embryonic cells to substrata coated with cell adhesion molecules, 289
Mignotte F, Champagne AM, Froger-Gaillard B, Benel L, Gueride M, Adolphe M, Mounolou JC, Mitochondrial biogenesis in rabbit articular chondrocytes transferred to culture, 67
Moreau N, Lautredou N, N'Da É, Angelier N, Cold-stress response in the amphibian oocyte: changes in synthesis and nucleocytoplasmic distribution of some proteins, 97
Mounolou JC — *See* Mignotte F *et al*, 67

N - P

N'Da É — *See* Moreau N *et al*, 97
Nakano E — *See* Matranga V *et al*, 289
Ngoc Huong Vo — *See* Pradal G *et al*, 297
Nicollier M — *See* Makfoudi A *et al*, 255

Penrad-Mobayed M — *See* Bonnanfant-Jais ML *et al*, 105
Pepperkok R — *See* Bré MH *et al*, 149
Piloquet P — *See* Pradal G *et al*, 297
Poindron P — *See* Illinger D *et al*, 293
Porchet M — *See* Guissi-Kadri S *et al*, 81
Pradal G, Piloquet P, Ngoc Huong Vo, Lefranc G, Three-dimensional analysis demonstrates the presence of exocrine cytoplasmic vela between endocrine cells and basal lamina in the stomach of mammals, 297
Prensier G — *See* Barry P *et al*, 307
Propper AY — *See* Mahfoudi A *et al*, 255
Puvion E — *See* Puvion-Dutilleul F, 135
Puvion-Dutilleul F, Puvion E, Sites of transcription of adenovirus type 5 genomes in relation to early viral DNA replication in infected HeLa cells. A high resolution *in situ* hybridization and autoradiographical study, 135

R

Roland JC — *See* Vian B, 43
Romet S, Schoevaert D, Marano F, Dynamic image analysis applied to the study of ciliary beat on cultured ciliated epithelial cells from rabbit trachea, 183
Rosenberg M, Warburg MR, The evidence for Na^+, K^+-ATPase activity in the epidermis of *Pelobates syriacus* tadpoles and toads, 281
Rutin J — *See* Garreau de Loubresse N *et al*, 217

S

Sala-Rovira M — *See* Géraud ML *et al*, 123
Sandoz D — *See* Bautista-Harris G *et al*, 191 — *See* Lemullois M *et al*, 201 — *See* Adoutte A *et al*, 227
Schoevaert D — *See* Romet S *et al*, 183
Segretain D, Decrossas B, The Sertoli-spermatid processes in the mouse: new cellular structure, 321
Soyer-Gobillard MO — *See* Géraud ML *et al*, 123
Strous GJ, Berger EG, van Kerkhof P, Bosshart H, Berger B, Geuze HJ, Brefeldin A induces a microtubule-dependent fusion of galactosyltransferase-containing vesicles with the rough endoplasmic reticulum, 25

T

Tang X — *See* Thorne-Tjomsland G *et al*, 33
Thirion J, Wattiaux R, Effect of culture duration on hepatocyte subcellular membranes involved in endocytosis, 267
Thorne-Tjomsland G, Clermont Y, Tang X, Glucose-6-phosphatase activity of endoplasmic reticulum and Golgi apparatus in spermatocytes and spermatids of the rat: an electron microscopic cytochemical study, 33

V

Van Gansen P — *See* Geuskens M *et al*, 89
van Kerkhof P — *See* Strous GJ *et al*, 25
Vayssière JL — *See* Cordeau-Lossouarn L *et al*, 577
Vian B, Roland JC, Affinodetection of the sites of formation and of the further distribution of polygalacturonans and native cellulose in growing plant cells, 43
Vigues B — *See* Garreau de Loubresse N *et al*, 217

W

Wade RH — *See* Chrétien D, 161
Warburg MR — *See* Rosenberg M, 281
Wattiaux R — *See* Thirion J, 267

Y - Z

Yon JM, Betton JM, Protein folding *in vitro* and in the cellular environment, 17

Zito F — *See* Matranga V *et al*, 289

Biol Cell (1991) 71, 327–330
© Elsevier, Paris

KEYWORD INDEX

A

α-Actinin — The spectrin super-family, 249

β and γ-Actins — Cold-stress response in the amphibian oocyte: changes in synthesis and nucleocytoplasmic distribution of some proteins, 97

Ad5 DNA transcription — Sites of transcription of adenovirus type 5 genomes in relation to early viral DNA replication in infected HeLa cells. A high resolution *in situ* hybridization and autoradiographical study, 135

Adenovirus type 5 infection — Sites of transcription of adenovirus type 5 genomes in relation to early viral DNA replication in infected HeLa cells. A high resolution *in situ* hybridization and autoradiographical study, 135

Aggregates — Protein folding *in vitro* and in the cellular environment, 17

Amphibian epidermis — The evidence for Na^+, K^+-ATPase activity in the epidermis of *Pelobates syriacus* tadpoles and toads, 281

Amphibian oocyte — Ultrastructural similarity in landmark loops of amphibian lampbrush chromosomes, 105

Amphibians — The effect of clofibrate on amphibian hepatic peroxisomes, 313

Anti-tubulin antibodies — Microtubule diversity in ciliated cells: evidence for its generation by post-translational modification in the axonemes of *Paramecium* and quail oviduct cells, 227

Articular chondrocytes — Mitochondrial biogenesis in rabbit articular chondrocytes transferred to culture, 67

ATPase cytochemistry — The evidence for Na^+, K^+-ATPase activity in the epidermis of *Pelobates syriacus* tadpoles and toads, 281

Axoneme — An helicoidal structure surrounding the cilium axoneme: visualization by the monoclonal antibody CC-248, 191 — Microtubule diversity in ciliated cells: evidence for its generation by post-translational modification in the axonemes of *Paramecium* and quail oviduct cells, 227

B

Basal lamina — Three-dimensional analysis demonstrates the presence of exocrine cytoplasmic vela between endocrine cells and basal lamina in the stomach of mammals, 297

Basic DNA-binding protein — Immunocytochemical localization of the DNA-binding protein HCc during the cell cycle of the histone-less dinoflagellate protoctista *Crypthecodinium cohnii B*, 123

Biopolymer — Cholesteric liquid crystalline DNA; a comparative analysis of cryofixation methods, 115

Birds — Spermatozoa and relationships in Palaeognath birds, 209

BR genes — The Balbiani ring 6 induction in *Chironomus*, 11

Brefeldin A — Brefeldin A induces a microtubule-dependent fusion of galactosyltransferase-containing vesicles with the rough endoplasmic reticulum, 25

C

Ca^{2+}-binding proteins — Ca^{2+}-binding proteins and contractility of the infraciliary lattice in *Paramecium*, 217

Calbindin D-28k — Substance P and calbindin D-28k-immunoreactivity in primary sensory neurons of chick embryos: differential neuronal birthdates and transient co-localization, 73

Cell adhesion — Adhesion of sea-urchin embryonic cells to substrata coated with cell adhesion molecules, 289

Cell cycle — Immunocytochemical localization of the DNA-binding protein HCc during the cell cycle of the histone-less dinoflagellate protoctista *Crypthecodinium cohnii B*, 123

Cellular interactions — Cellular interactions and tubulin detyrosination in fibroblastic and epithelial cells, 149

Cell wall — Affinodetection of the sites of formation and of the further distribution of polygalacturonans and native cellulose in growing plant cells, 43

Cellulose — Affinodetection of the sites of formation and of the further distribution of polygalacturonans and native cellulose in growing plant cells, 43

Chaperones — Protein folding *in vitro* and in the cellular environment, 17

Chironomus — The Balbiani ring 6 induction in *Chironomus*, 11

Cilia — Microtubule diversity in ciliated cells: evidence for its generation by post-translational modification in the axonemes of *Paramecium* and quail oviduct cells, 227

Ciliary beat frequency — Dynamic image analysis applied to the study of ciliary beat on cultured ciliated epithelial cells from rabbit trachea, 183

Ciliated cells — An helicoidal structure surrounding the cilium axoneme: visualization by the monoclonal antibody CC-248, 191

Clofibrate — The effect of clofibrate on amphibian hepatic peroxisomes, 313

Cold shock proteins — Cold-stress response in the amphibian oocyte: changes in synthesis and nucleocytoplasmic distribution of some proteins, 97

Compact ring — Sites of transcription of adenovirus type 5 genomes in relation to early viral DNA replication in infected HeLa cells. A high resolution *in situ* hybridization and autoradiographical study, 135

Concanavalin-A — Adhesion of sea-urchin embryonic cells to substrata coated with cell adhesion molecules, 289

Cryo-electron microscopy — New data on the microtubule surface lattice, 161

Cryofixation methods — Cholesteric liquid crystalline DNA; a comparative analysis of cryofixation methods, 115

Cytoskeleton — Ca^{2+}-binding proteins and contractility of the infraciliary lattice in *Paramecium*, 217

D

Dehydroepiandrosterone sulfate — Neurosteroids: a new function in the brain, 3

Detyrosination — Cellular interactions and tubulin detyrosination in fibroblastic and epithelial cells, 149

Differential labeling — An helicoidal structure surrounding the cilium axoneme: visualization by the monoclonal antibody CC-248, 191

Dinoflagellate — Immunocytochemical localization of the DNA-binding protein HCc during the cell cycle of the histone-less dinoflagellate protoctista *Crypthecodinium cohnii B*, 123

DNA — Cholesteric liquid crystalline DNA; a comparative analysis of cryofixation methods, 115

Dorsal root ganglia — Substance P and calbindin D-28k-immunoreactivity in primary sensory neurons of chick embryos: differential neuronal birthdates and transient co-localization, 73

Dystrophin — The spectrin super-family, 249

E

Electron microscopy — Eosinophil granulocytopoiesis in hepatic periovular granulomas during the chronic phase of experimental murine *Schistosomiasis mansoni*, 89 — Ultrastructural similarity in landmark loops of amphibian lampbrush chromosomes, 105 — Immunocytochemical localization of the DNA-binding protein HCc during the cell cycle of the histone-less dinoflagellate protoctista *Crypthecodinium cohnii B*, 123

Endocrine cells — Three-dimensional analysis demonstrates the presence of exocrine cytoplasmic vela between endocrine cells and basal lamina in the stomach of mammals, 297

Endocytosis — Effect of culture duration on hepatocyte subcellular membranes involved in endocytosis, 267s — Membrane fluidity aspects in endocytosis; a study with the fluorescent probe trimethylaminodiphenylhexatriene in L929 cells, 293

Endometrium — Establishment of endometrial glandular epithelial cell subculture in a serum-free hormonally defined medium, on a basement membrane matrix, 255

Endoplasmic reticulum — Glucose-6-phosphatase activity of endoplasmic reticulum and Golgi apparatus in spermatocytes and spermatids of the rat: an electron microscopic cytochemical study, 33

Enzyme-gold complex — Affinodetection of the sites of formation and of the further distribution of polygalacturonans and native cellulose in growing plant cells, 43

Eosinophils — Eosinophil granulocytopoiesis in hepatic periovular granulomas during the chronic phase of experimental murine *Schistosomiasis mansoni*, 89

Epithelial cell subculture — Establishment of endometrial glandular epithelial cell subculture in a serum-free hormonally defined medium, on a basement membrane matrix, 255

Epithelial cells — Cellular interactions and tubulin detyrosination in fibroblastic and epithelial cells, 149

F

Flagellar contraction — Dinoflagellate flagella adopt various conformations in response to different needs, 175

Flagellar movement — Dinoflagellate flagella adopt various conformations in response to different needs, 175

Fluorescence — Immunocytochemical localization of the DNA-binding protein HCc during the cell cycle of the histone-less dinoflagellate protoctista *Crypthecodinium cohnii B*, 123

Fodrin — The spectrin super-family, 249

Freeze-fracture — Cholesteric liquid crystalline DNA; a comparative analysis of cryofixation methods, 115

Friend erythroleukemia cells — The synthesis and accumulation of membrane protein 4.1 in Friend erythroleukemia cells, 273

Frog palate cells — Evolutionary conservation of an epitope associated with striated rootlets in different epithelial ciliated cells, 201

G

$GABA_A$-receptor — Neurosteroids: a new function in the brain, 3

Galactosyltransferase — Brefeldin A induces a microtubule-dependent fusion of galactosyltransferase-containing vesicles with the rough endoplasmic reticulum, 25

Glucose-6-phosphatase — Glucose-6-phosphatase activity of endoplasmic reticulum and Golgi apparatus in spermatocytes and spermatids of the rat: an electron microscopic cytochemical study, 33

Gold labeling — Immunocytochemical localization of the DNA-binding protein HCc during the cell cycle of the histone-less dinoflagellate protoctista *Crypthecodinium cohnii B*, 123

Golgi apparatus — Glucose-6-phosphatase activity of endoplasmic reticulum and Golgi apparatus in spermatocytes and spermatids of the rat: an electron microscopic cytochemical study, 33

Golgi complex — Brefeldin A induces a microtubule-dependent fusion of galactosyltransferase-containing vesicles with the rough endoplasmic reticulum, 25

Granulomas — Eosinophil granulocytopoiesis in hepatic periovular granulomas during the chronic phase of experimental murine *Schistosomiasis mansoni*, 89

H

Helicoidal pattern — Affinodetection of the sites of formation and of the further distribution of polygalacturonans and native cellulose in growing plant cells, 43

Hepatocytes — Effect of culture duration on hepatocyte subcellular membranes involved in endocytosis, 267

High resolution autoradiography — Sites of transcription of adenovirus type 5 genomes in relation to early viral DNA replication in infected HeLa cells. A high resolution *in situ* hybridization and autoradiographical study, 135

I

Image analysis process — Dynamic image analysis applied to the study of ciliary beat on cultured ciliated epithelial cells from rabbit trachea, 183

Immunocytochemistry — Substance P and calbindin D-28k-immunoreactivity in primary sensory neurons of chick embryos: differential neuronal birthdates and transient co-localization, 73 — Immunocytochemical localization of the DNA-binding protein HCc during the cell cycle of the histone-less dinoflagellate protoctista *Crypthecodinium cohnii B*, 123 — Immunogold labelling of arabinoxylans in the plant cell walls of normal and bm3 mutant maize, 307

***In vitro* translation of mRNA** — Precursors of neuropeptides in the marine worm *Nereis diversicolor*. *In vitro* translation of a precursor related to human prepro-cholecystokinin and immunolocalization of this precursor in the nervous system, 81

Intermediates — Protein folding *in vitro* and in the cellular environment, 17

Ion transport — The evidence for Na^+, K^+-ATPase activity in the epidermis of *Pelobates syriacus* tadpoles and toads, 281

Isotype — Microtubule diversity in ciliated cells: evidence for its generation by post-translational modification in the axonemes of *Paramecium* and quail oviduct cells, 227

L

Lampbrush chromosomes — Ultrastructural similarity in landmark loops of amphibian lampbrush chromosomes, 105

Landmark loops — Ultrastructural similarity in landmark loops of amphibian lampbrush chromosomes, 105

Liquid crystal — Cholesteric liquid crystalline DNA; a comparative analysis of cryofixation methods, 115

Liver peroxisomes — The effect of clofibrate on amphibian hepatic peroxisomes, 313

Lysosomes — Effect of culture duration on hepatocyte subcellular membranes involved in endocytosis, 267

M

Maize — Immunogold labelling of arabinoxylans in the plant cell walls of normal and bm3 mutant maize, 307

Marine worm — Precursors of neuropeptides in the marine worm *Nereis diversicolor*. *In vitro* translation of a precursor related to human prepro-cholecystokinin and immunolocalization of this precursor in the nervous system, 81

MDCK — Cellular interactions and tubulin detyrosination in fibroblastic and epithelial cells, 149

Membrane fluidity — Membrane fluidity aspects in endocytosis; a study with the fluorescent probe trimethylaminodiphenylhexatriene in L929 cells, 293

Metamorphosis — The evidence for Na^+, K^+-ATPase activity in the epidermis of *Pelobates syriacus* tadpoles and toads, 281

Microtubule polymorphism — New data on the microtubule surface lattice, 161

Microtubule structure — New data on the microtubule surface lattice, 161

Microtubules — Brefeldin A induces a microtubule-dependent fusion of galactosyltransferase-containing vesicles with the rough endoplasmic reticulum, 25 — Cellular interactions and tubulin detyrosination in fibroblastic and epithelial cells, 149 — New data on the microtubule surface lattice, 161 — Microtubule diversity in ciliated cells: evidence for its generation by post-translational modification in the axonemes of *Paramecium* and quail oviduct cells, 227

Mitochondrial biogenesis — Mitochondrial biogenesis in rabbit articular chondrocytes transferred to culture, 67

Mitochondrial maturation — Mitochondrial maturation during neuronal differentiation *in vivo* and *in vitro*, 57

Monoclonal antibody — Affinodetection of the sites of formation and of the further distribution of polygalacturonans and native cellulose in growing plant cells, 43 — An helicoidal structure surrounding the cilium axoneme: visualization by the monoclonal antibody CC-248, 191

Motility — Ca^{2+}-binding proteins and contractility of the infraciliary lattice in *Paramecium*, 217

Mouse — Eosinophil granulocytopoiesis in hepatic periovular granulomas during the chronic phase of experimental murine *Schistosomiasis mansoni*, 89

Mussel gill cells — Evolutionary conservation of an epitope associated with striated rootlets in different epithelial ciliated cells, 201

N

Nanofilaments — Dinoflagellate flagella adopt various conformations in response to different needs, 175

Nervous system — Precursors of neuropeptides in the marine worm *Nereis diversicolor*. *In vitro* translation of a precursor related to human prepro-cholecystokinin and immunolocalization of this precursor in the nervous system, 81

Neurogenesis — Mitochondrial maturation during neuronal differentiation *in vivo* and *in vitro*, 57

Neuropeptide precursor — Precursors of neuropeptides in the marine worm *Nereis diversicolor*. *In vitro* translation of a precursor related to human prepro-cholecystokinin and immunolocalization of this precursor in the nervous system, 81

Nuclear proteins — Cold-stress response in the amphibian oocyte: changes in synthesis and nucleocytoplasmic distribution of some proteins, 97

Nucleocytoplasmic exchanges — Cold-stress response in the amphibian oocyte: changes in synthesis and nucleocytoplasmic distribution of some proteins, 97

O

Oligodendrocytes — Neurosteroids: a new function in the brain, 3

Oocyte — Cold-stress response in the amphibian oocyte: changes in synthesis and nucleocytoplasmic distribution of some proteins, 97

Outgrowth culture — Dynamic image analysis applied to the study of ciliary beat on cultured ciliated epithelial cells from rabbit trachea, 183

P

Palaeognathae — Spermatozoa and relationships in Palaeognath birds, 209

Paramecium — Ca^{2+}-binding proteins and contractility of the infraciliary lattice in *Paramecium*, 217 — Microtubule diversity in ciliated cells: evidence for its generation by post-translational modification in the axonemes of *Paramecium* and quail oviduct cells, 227

Peptide — Precursors of neuropeptides in the marine worm *Nereis diversicolor*. *In vitro* translation of a precursor related to human prepro-cholecystokinin and immunolocalization of this precursor in the nervous system, 81

Peripheral replicative zone — Sites of transcription of adenovirus type 5 genomes in relation to early viral DNA replication in infected HeLa cells. A high resolution *in situ* hybridization and autoradiographical study, 135

Phylogeny — Spermatozoa and relationships in Palaeognath birds, 209

Plant cell wall — Immunogold labelling of arabinoxylans in the plant cell walls of normal and bm3 mutant maize, 307

Plasma membrane — Effect of culture duration on hepatocyte subcellular membranes involved in endocytosis, 267

Polychaeta — Precursors of neuropeptides in the marine worm *Nereis diversicolor*. *In vitro* translation of a precursor related to human prepro-cholecystokinin and immunolocalization of this precursor in the nervous system, 81

Polygalacturonans — Affinodetection of the sites of formation and of the further distribution of polygalacturonans and native cellulose in growing plant cells, 43

Polytene chromosomes — The Balbiani ring 6 induction in *Chironomus*, 11

Post-translational modification — Microtubule diversity in ciliated cells: evidence for its generation by post-translational modification in the axonemes of *Paramecium* and quail oviduct cells, 227

Pregnenolone sulfate — Neurosteroids: a new function in the brain, 3

Prepro-cholecystokinin — Precursors of neuropeptides in the marine worm *Nereis diversicolor*. *In vitro* translation of a precursor related to human prepro-cholecystokinin and immunolocalization of this precursor in the nervous system, 81

Primary culture of neurons — Mitochondrial maturation during neuronal differentiation *in vivo* and *in vitro*, 57

Progesterone — Neurosteroids: a new function in the brain, 3

Progesterone receptors — Establishment of endometrial glandular epithelial cell subculture in a serum-free hormonally defined medium, on a basement membrane matrix, 255

Protein 4.1 — The synthesis and accumulation of membrane protein 4.1 in Friend erythroleukemia cells, 273

Protein folding — Protein folding *in vitro* and in the cellular environment, 17

Protist — Dinoflagellate flagella adopt various conformations in response to different needs, 175

Q

Quail — Microtubule diversity in ciliated cells: evidence for its generation by post-translational modification in the axonemes of *Paramecium* and quail oviduct cells, 227

Quail oviduct cells — Evolutionary conservation of an epitope associated with striated rootlets in different epithelial ciliated cells, 201

Quantitative Western blot — Mitochondrial maturation during neuronal differentiation *in vivo* and *in vitro*, 57

R

Rabbit oviduct cells — Evolutionary conservation of an epitope associated with striated rootlets in different epithelial ciliated cells, 201

Radioautography — Substance P and calbindin D-28k-immunoreactivity in primary sensory neurons of chick embryos: differential neuronal birthdates and transient co-localization, 73

Regulation of BRs — The Balbiani ring 6 induction in *Chironomus*, 11

RNP matrix — Ultrastructural similarity in landmark loops of amphibian lampbrush chromosomes, 105

S

Schistosomiasis mansoni — Eosinophil granulocytopoiesis in hepatic periovular granulomas during the chronic phase of experimental murine *Schistosomiasis mansoni*, 89

Sea-urchin — Adhesion of sea-urchin embryonic cells to substrata coated with cell adhesion molecules, 289

Serum-free medium — Establishment of endometrial glandular epithelial cell subculture in a serum-free hormonally defined medium, on a basement membrane matrix, 255

Single-stranded DNA accumulation site — Sites of transcription of adenovirus type 5 genomes in relation to early viral DNA replication in infected HeLa cells. A high resolution *in situ* hybridization and autoradiographical study, 135

sp-I secretory proteins — The Balbiani ring 6 induction in *Chironomus*, 11

Spectrin — The spectrin super-family, 249

Spermatid process — The Sertoli-spermatid processes in the mouse: new cellular structure, 321

Spermatids — Glucose-6-phosphatase activity of endoplasmic reticulum and Golgi apparatus in spermatocytes and spermatids of the rat: an electron microscopic cytochemical study, 33

Spermatocytes — Glucose-6-phosphatase activity of endoplasmic reticulum and Golgi apparatus in spermatocytes and spermatids of the rat: an electron microscopic cytochemical study, 33

Spermatozoa — Spermatozoa and relationships in Palaeognath birds, 209

Spermiogenesis — The Sertoli-spermatid processes in the mouse: new cellular structure, 321

Stomach — Three-dimensional analysis demonstrates the presence of exocrine cytoplasmic vela between endocrine cells and basal lamina in the stomach of mammals, 297

Striated rootlets — Evolutionary conservation of an epitope associated with striated rootlets in different epithelial ciliated cells, 201

Substance P — Substance P and calbindin D-28k-immunoreactivity in primary sensory neurons of chick embryos: differential neuronal birthdates and transient co-localization, 73

Sugar effect on BRs — The Balbiani ring 6 induction in *Chironomus*, 11

T

Three-dimensional analysis — Three-dimensional analysis demonstrates the presence of exocrine cytoplasmic vela between endocrine cells and basal lamina in the stomach of mammals, 297

TMA-DPH — Membrane fluidity aspects in endocytosis; a study with the fluorescent probe trimethylaminodiphenylhexatriene in L929 cells, 293

Trachea — Dynamic image analysis applied to the study of ciliary beat on cultured ciliated epithelial cells from rabbit trachea, 183

Transcription — Mitochondrial biogenesis in rabbit articular chondrocytes transferred to culture, 67

Tubulin — Microtubule diversity in ciliated cells: evidence for its generation by post-translational modification in the axonemes of *Paramecium* and quail oviduct cells, 227

U

Ultrastructural *in situ* hybridization — Sites of transcription of adenovirus type 5 genomes in relation to early viral DNA replication in infected HeLa cells. A high resolution *in situ* hybridization and autoradiographical study, 135

Ultrastructure — Spermatozoa and relationships in Palaeognath birds, 209 — Three-dimensional analysis demonstrates the presence of exocrine cytoplasmic vela between endocrine cells and basal lamina in the stomach of mammals, 297

X

Xylases — Immunogold labelling of arabinoxylans in the plant cell walls of normal and bm3 mutant maize, 307